

UNDERGRADUATE AND PROFESSIONAL MAJOR CHANGE BULLETIN NO. 2
Fall 2015

--REQUIREMENTS--

The requirements listed below reflect the undergraduate major curricular changes approved by the Catalog Subcommittee since approval of the last Undergraduate Major Change Bulletin. All changes are underlined. Deletions are crossed out. The column to the far right indicates the date each change becomes effective.

Dept	Proposed	Effective Date
Animal Sciences Correction of Bachelor of Science in animal Sciences – Animal Management	<p>Correction: UPMCB 11 Spring 2015 Only two ANIM SCI Group 1 elective courses needed.</p> <p>Animal Management(120 Hours)</p> <p>Second Year</p> <p><i>Second Term</i> <i>Hours</i></p> <p>ANIM SCI Group 1 Elective³ 3</p> <p>Business and Economics Course⁴ 3</p> <p>ECONS 101 [SSCI] 3</p> <p>Humanities [HUM] 3</p> <p>STAT 212 [QUAN], 412, or PSYCH 311 [QUAN]⁵ 3 or 4</p> <p><u>Electives</u> <u>3</u></p> <p>Complete Writing Portfolio</p> <p>Third Year</p> <p><i>First Term</i> <i>Hours</i></p> <p>ANIM SCI 313 4</p> <p>ANIM SCI 330 3</p> <p>ANIM SCI 380 1</p> <p>ANIM SCI 399 or 499 1</p> <p>ANIM SCI Group 1 Elective³ 2 or 3</p> <p>Business and Economics Course⁴ 3</p> <p><i>Second Term</i> <i>Hours</i></p> <p>ANIM SCI 350 3</p> <p>ANIM SCI 351 1</p> <p>ANIM SCI Group 1 Elective³ 3</p> <p>Diversity [DIVR] 3</p> <p>ENGLISH 301 or 402 3</p> <p>VET CLIN 361, 367, or VET PH 308 3 or 4</p> <p>Fourth Year</p> <p><i>First Term</i> <i>Hours</i></p> <p>Ag Sciences Elective⁶ 3</p> <p>ANIM SCI 464 [CAPS] [M] or 472 [M]⁷ 3</p> <p>ANIM SCI Group 2 Electives⁸ 6</p> <p>Electives 3</p>	8-15

	<p>Second Term</p> <p>ANIM SCI Group 2 Electives ⁸ 6</p> <p>Integrative Capstone [CAPS] 3</p> <p>Electives 7 or 8</p> <hr/> <p>Footnotes</p> <p>³ Approved ANIM SCI Group 1 Electives include (Two courses): ANIM SCI 260, 274, 285, 314, 345, 346, 360, and other courses as approved by advisor.</p>	
<p>Chemical Engineering and Bioengineering Revise graduation requirements for Bachelor of Science in Bioengineering – General Option</p>	<p>Bioengineering, General Option (120 Hours)</p> <p>Students who plan to pursue pre-med studies should consult their advisor for further information about appropriate courses.</p> <p>Criteria for Certification – Bioengineering Program</p> <ol style="list-style-type: none"> 1) In March of each year, the faculty of the School of Chemical Engineering and Bioengineering will establish the total number of students (June and January) to be certified into the Bioengineering program. 2) Each student will be considered for certification during the semester after she/he has completed all of the following courses: MATH 171, MATH 172, CHEM 105, CHEM 106, BIOLOGY 107, PHYSICS 201, CHE 201. 3) To be certified, each student must meet the following minimum standards: <ol style="list-style-type: none"> a. 2.0 cumulative GPA. b. A “C” grade or better in each of the courses listed in 2) above. c. Complete at least one term of coursework at WSU as a full-time student. d. Students must be in good academic standing (semester GPA 2.00 or higher) at the time they are being considered for certification. 4) Certification decisions will be made at the end of Fall and Spring semesters, and those being certified at the end of Spring semester will be notified by June 1, while those being certified at the end of Fall semester will be notified by January 15. 5) If the number of students seeking certification exceeds the program capacity, as determined in 1) above, additional criteria will be used to select those who are certified. Those criteria include: (a) average GPA received in the courses listed in 2) above; (b) average GPA earned in all the engineering/math/science courses which have already been completed; and (c) the GPA earned during the previous semester. 6) Students who have completed all the courses listed in 2) above, but who are not certified will be notified of the decision according to the time table described in 4) above. Such students who are not certified may appeal the decision. This appeal should describe any special circumstances which should be considered. A faculty committee will consider the appeal, the special circumstances described, and trends in the grades (e.g. trends in grades and/or withdrawals, typical course load attempted and typical course load completed) and make a final decision regarding certification. The appeal must be submitted within 2 weeks of the notification described in 4) above. The appeal will be considered and a decision made by July 1 and February 15. 7) Students who are deficient under the University’s Educational Policies 	<p>8-16</p>

	<p>and Procedures are subject to decertification. Recertification will be granted only under rare, extenuating conditions.</p> <p>8) Students are allowed a maximum total of one repeat among all required BIO ENG courses.</p>	
<p>Chemical Engineering and Bioengineering Add certification requirements for Bachelor of Science in Bioengineering – Pre-Med Option</p>	<p>Bioengineering, Pre-Med Option (127 Hours)</p> <p><u>Students who plan to pursue pre-med studies should consult their advisor for further information about appropriate courses.</u></p> <p><u>Criteria for Certification – Bioengineering Program</u></p> <p>1) <u>In March of each year, the faculty of the School of Chemical Engineering and Bioengineering will establish the total number of students (June and January) to be certified into the Bioengineering program.</u></p> <p>2) <u>Each student will be considered for certification during the semester after she/he has completed all of the following courses: MATH 171, MATH 172, CHEM 105, CHEM 106, BIOLOGY 107, PHYSICS 201, CHE 201.</u></p> <p>3) <u>To be certified, each student must meet the following minimum standards:</u></p> <p>a. <u>2.0 cumulative GPA.</u></p> <p>b. <u>A “C” grade or better in each of the courses listed in 2) above.</u></p> <p>c. <u>Complete at least one term of coursework at WSU as a full-time student.</u></p> <p>d. <u>Students must be in good academic standing (semester GPA 2.00 or higher) at the time they are being considered for certification.</u></p> <p>4) <u>Certification decisions will be made at the end of Fall and Spring semesters, and those being certified at the end of Spring semester will be notified by June 1, while those being certified at the end of Fall semester will be notified by January 15.</u></p> <p>5) <u>If the number of students seeking certification exceeds the program capacity, as determined in 1) above, additional criteria will be used to select those who are certified. Those criteria include: (a) average GPA received in the courses listed in 2) above; (b) average GPA earned in all the engineering/math/science courses which have already been completed; and (c) the GPA earned during the previous semester.</u></p> <p>6) <u>Students who have completed all the courses listed in 2) above, but who are not certified will be notified of the decision according to the time table described in 4) above. Such students who are not certified may appeal the decision. This appeal should describe any special circumstances which should be considered. A faculty committee will consider the appeal, the special circumstances described, and trends in the grades (e.g. trends in grades and/or withdrawals, typical course load attempted and typical course load completed) and make a final decision regarding certification. The appeal must be submitted within 2 weeks of the notification described in 4) above. The appeal will be considered and a decision made by July 1 and February 15.</u></p> <p>7) <u>Students who are deficient under the University’s Educational Policies and Procedures are subject to decertification. Recertification will be granted only under rare, extenuating conditions.</u></p>	8-16
<p>Critical Culture,</p>	<p>Women's Studies (120 Hours)</p>	8-16

Gender, & Race Studies Revise graduation requirements for Bachelor of Arts in Women's Studies	First Year	
	<i>First Term</i>	<i>Hours</i>
	CES 201	3
	ENGLISH 101 [WRTG]	3
	Social Sciences [SSCI]	3
	Electives	4
	<i>Second Term</i>	<i>Hours</i>
	Biological Sciences [BSCI] with lab or SCIENCE 101 [SCI] ⁺	4
	<u>Creative & Professional Arts [ARTS]</u>	<u>3</u>
	HISTORY 105 [ROOT]	3
	Quantitative Reasoning [QUAN]	3 or 4
	WOMEN ST 201	3
	WOMEN ST Elective ²	3
	Second Year	
	<i>First Term</i>	<i>Hours</i>
	<u>Biological Sciences [BSCI] with lab or</u> SCIENCE 101 [SCI] ¹	<u>4</u>
	Communication [COMM] or Written Communication [WRTG]	3
	Foreign Language and/or Electives	3 or 4
	Humanities [HUM]	3
	Physical Sciences [PSCI] with lab or SCIENCE 102 [SCI] ⁺	4
	WOMEN ST Elective ²	3
	<i>Second Term</i>	<i>Hours</i>
	<u>Physical Sciences [PSCI] with lab or</u> SCIENCE 102 [SCI] ¹	<u>4</u>
	Creative & Professional Arts [ARTS]	3
	Diversity [DIVR]	3
	Foreign Language and/or Electives	3 or 4
	<u>300-400-level WOMEN ST Electives²</u>	3
	WOMEN ST Sub-core ³	3
	Complete Writing Portfolio	
	Third Year	
	<i>First Term</i>	<i>Hours</i>
	300-400-level WOMEN ST Elective ²	3
	Creative & Professional Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]	3
WOMEN ST 300 [M]	3	
WOMEN ST Sub-core ³	3	
Electives	3	
<i>Second Term</i>	<i>Hours</i>	
300-400-level WOMEN ST Elective ²	3	
WOMEN ST [M] Course	3	
300-400-level Electives	9	
Fourth Year		
<i>First Term</i>	<i>Hours</i>	

	<p>300-400-level WOMEN ST Elective² 3</p> <p>300-400-level Electives 6</p> <p>Electives 6</p> <p>Second Term Hours</p> <p>WOMEN ST 489 [CAPS] 3</p> <p>300-400-level Electives 9</p> <p>Electives 3</p> <hr/> <p>Footnotes</p> <p>¹ To meet University and College of Arts and Sciences requirements, students must take a [BSCI] course with lab and [PSCI] course with lab or SCIENCE 101 [SCI] and SCIENCE 102 [SCI]. SCIENCE 101 [SCI] is offered Fall semester and is a prerequisite for SCIENCE 102 [SCI]. SCIENCE 102 [SCI] is offered Spring semester.</p> <p>² Of the six WOMEN ST elective courses, four electives must be WOMEN ST courses; one must be a CES course; cross-listed courses between CES and WOMEN ST may count as either. Any unused sub-core courses may fulfill electives. <u>Four courses must be at the 300-400-level.</u> WOMEN ST Electives are: AMER ST 475; CES 111, 131, 151, 171, 209, 220, 240, 244, 254, 255, 260, 271, 280, 301 [M], 308 [M], 313, 314 [M], 325, 331, 332 [M], 335, 336, 338, 353 [M], 357, 358 [M], 373 [M], 379, 380, 405, 406, 407, 413, 426, 440, 444, 446, 465, 470, 491 [M]; CES/WOMEN ST 372; CES/WOMEN ST 411; CES/WOMEN ST 454; WOMEN ST 211, 220, 308 [M], 309, 310 [M], 317, 332, 336, 338, 340, 363, 403, 406, 460, 464, 481 [M], 484, and 485 [M]; WOMEN ST/CES 120; WOMEN ST 302/CES 305; WOMEN ST 369/CES 309.</p> <p>³ WOMEN ST Sub-core courses are (6 credits): WOMEN ST 332, 369, 406, 481 [M], and WOMEN ST 484 or 485 [M]. WOMEN ST Subcore and Electives must include coursework to meet University requirement of 2 [M] courses.</p>	
<p>Hospitality Business Management New minor in Wine Business Management</p>	<p>Wine Business Management</p> <p>To be eligible to certify in the wine business management minor, students must be certified in a major, have completed 60 credits and have a cumulative GPA of 2.5. Completion of minor requires an overall GPA of at least a 2.5 in the required courses. The required courses are ACCTG 230; COMSTRAT 312 or COMSTRAT 380 or MKTG 477; FRENCH 420; MKTG 360; HBM 350; ENTRP 490 or FSHN 422. Nine hours must be 300-400 level courses taken in residence at WSU or through WSU-approved education abroad or educational exchange. Up to 6 hours may be transferred from another institution.</p> <p>In addition, students must complete 400 hours of internship/industry experience to earn the minor. In order for hours to count for the requirement, they must meet the following criteria:</p> <ol style="list-style-type: none"> 1. Hours must be worked after high-school graduation; 2. All hours must be documented as paid; 3. Hours must be worked at a company whose primary source of revenue is derived from hospitality services; and 4. The employer evaluation for the hours must reflect an average of 80% across the ratings criteria on the form. 	<p>8-16</p>
<p>Mechanical and Materials Engineering Revise Certification requirements for Bachelor of Science in</p>	<p>Materials Science and Engineering (120 Hours)</p> <p>Certification Requirements:</p> <p>Certification into the Bachelor of Science program in Materials Science and Engineering is limited to 21 students per entering class. Students who have completed at least 30 semester hours of graded course work with an</p>	<p>8-16</p>

<p>Materials Science and Engineering</p>	<p>overall minimum 2.0 GPA and who have completed the following courses with a minimum grade of C or better in each course: CHEM 105, CHEM 106, ENGLISH 101, MATH 171, 172, and PHYSICS 201 or their equivalents are eligible. When it becomes necessary to limit enrollment, the overall GPA as well as the GPA for the prerequisite courses listed above, will be important factors.</p> <p>Students need to submit an application for certification to the Undergraduate Students Services office, Sloan 205 or electronically to newcoug@mme.wsu.edu. The application deadline is the Monday after finals week in December and May for the fall and the spring semesters respectively. For additional details, contact the school's office of student services.</p> <p><u>Criteria for Certification – Materials Science and Engineering Program</u></p> <ol style="list-style-type: none"> <u>The School for Mechanical and Materials Engineering will establish the total number of students to be certified into the Materials Science and Engineering program.</u> <u>Students should apply for certification in the semester after they have completed the following five courses: MATH 171, MATH 172, CHEM 105, CHEM 106, and PHYSICS 201. Students must have a minimum 2.5 cumulative GPA and a C or better grade for each of the five courses listed above to be considered for certification. Transfer students who meet the aforementioned minimum requirements may apply during their first semester at WSU, but no decision will be made until the end of the semester when the final grades become available.</u> <u>Students need to submit an application for certification to the Undergraduate Student Services office, Sloan 205 or electronically to newcoug@mme.wsu.edu. The application deadline is the Monday after finals week in December and May for the fall and spring semester respectively.</u> <u>The applicants will be ranked based on the average GPA of the math, science, and engineering courses completed. For those who are borderline, the semester and cumulative GPA will be considered and used as a reference. In addition to GPA, other factors may also be taken into consideration, such as the number of math science, and engineering courses taken at WSU. The committee has the authority to weigh these factors in its decision for certification.</u> <u>Students who are deficient under the University's Academic Regulations are subject to decertification. The undergraduate studies committee will determine the eligibility and probation conditions for decertified students who will be permitted to apply for recertification.</u> <u>Any further questions should be addressed to the Undergraduate Student Services office located in Sloan 205 or newcoug@mme.wsu.edu.</u> 	
<p>Mechanical and Materials Engineering Revise Certification requirements for</p>	<p>Mechanical Engineering (125 Hours)</p> <p>Criteria for Certification – Mechanical Engineering Program</p> <ol style="list-style-type: none"> The School of Mechanical and Materials Engineering will establish 	<p>8-16</p>

<p>Bachelor of Science in Mechanical Engineering</p>	<p>the total number of students to be certified into the Mechanical Engineering program.</p> <ol style="list-style-type: none"> 2. Students should apply for certification in the semester after they have completed the following five courses: MATH 171, MATH 172, CHEM 105, PHYSICS 201, and CE 211. Students must have a minimum cumulative GPA of 2.5 and a C or better grade for each of the five courses listed above to be considered for certification. Transfer students who meet the aforementioned minimum requirements may apply during their first semester at WSU, but no decision will be made until the end of the semester when the final grades become available. <u>Exception to this residence requirement is described in item 3.</u> Note that the actual cutoff grade point based on the ranking (see item 4) is usually higher than 2.5*. 3. <u>Transfer students who have completed or are about to complete MATH 220, MATH 273, MATH 315, CHEM 106, PHYSICS 202, ME 212, CE 215, and computer programming before starting at WSU, and have at least a 3.2 average GPA for the math, science, and engineering courses completed can be certified at the time of admission.</u> 4. Students need to submit an application for certification to the Undergraduate Student Services office, Sloan 205 or electronically to newcoug@mme.wsu.edu. The application deadline is the Monday after finals week in December and May for the fall and the spring semester respectively. 5. The applicants will be ranked based on the GPA of the math, science, and engineering courses completed. For those who are borderline, the semester and cumulative GPA will be considered and used as a reference. In addition to GPA, other factors may also be taken into consideration, such as the number of math, science, and engineering courses taken at WSU. The committee has the authority to weigh these factors in its decision for certification. 6. The certification is only valid for the current resident campus. Should a student decide to change campus after certification, they will need to reapply for certification for the campus to which they will transfer. 7. Students who are deficient under the University's Educational Policies and Procedures <u>Academic Regulations</u> are subject to decertification. The undergraduate studies committee will determine the eligibility and probation conditions for decertified students who will be permitted to apply for recertification. 8. Any further questions should be addressed to the <u>Undergraduate Student Services Office</u> in Sloan 205 or newcoug@mme.wsu.edu. <p><u>*The cutoff GPA fluctuates each semester depending on the number of applicants. Contact the department for details.</u></p>	
<p>Mechanical and Materials Engineering Revise minor in</p>	<p>Materials Science and Engineering</p> <p>A minor in materials science and engineering requires 16 credits which must include ME 220 and MSE 201. An additional 12 credits must be chosen from MSE 302, <u>316, 321</u>, 401, 402, 403, 404, 406, 413, ME 310,</p>	<p>8-16</p>

Materials Science and Engineering	ME 311, or E E 496. 9 hours of upper-division work must be taken in residence at WSU or through WSU-approved education abroad or educational exchange courses.	
Psychology Revise graduation requirements for Bachelor of Science in Psychology	<p>Psychology - Bachelor of Science (120 Hours)</p> <p>The Bachelor of Science in Psychology requires a minimum of 30 <u>35</u> credit hours in PSYCH, at least 15 hours of which must be in 300-400-level courses. Students must take at least 10 credit hours of psychology in residence at WSU and must maintain at least a C average in PSYCH courses. Students must have two years of one foreign language in high school or take one year in college of a modern foreign language before graduation. Beyond certain minimum requirements there is flexibility in the degree program, in accordance with the needs of the individual student. A student may certify as a BS major after completion of 30 semester hours, PSYCH 311 with a C- or better, and cumulative GPA of 2.5 or better.</p> <p>For the BS degree in Psychology, the four learning goals are: (1) Students will understand basic research design and analysis; (2) Students will be able to describe societal influences on individual behavior, and they will display an understanding of the cultural relativism inherent in defining what is normal and abnormal behavior; (3) Students will be able to critically evaluate scientific studies; (4) Students will demonstrate proficiency in the written communication of psychological concepts.</p> <p>First Year</p> <p><i>First Term</i> Hours</p> <p>BIOLOGY 101 [BSCI] and 105, or BIOLOGY 102 [BSCI], 106 [BSCI], or 107 [BSCI] 4</p> <p>Diversity [DIVR] 3</p> <p>ENGLISH 101 [WRTG] 3</p> <p>PSYCH 105 [SSCI] 3</p> <p><i>Second Term</i> Hours</p> <p>Communication [COMM] or Written Communication [WRTG] 3</p> <p>HISTORY 105 [ROOT] 3</p> <p>Humanities [HUM] 3</p> <p>Quantitative Reasoning [QUAN] 3 or 4</p> <p>Foreign Language or Electives 3 or 4</p> <p>Second Year</p> <p><i>First Term</i> Hours</p> <p>Creative & Professional Arts [ARTS] 3</p> <p>Physical Sciences [PSCI] with lab 4</p> <p>Foreign Language and/or Electives <u>8</u>5</p> <p><u>PSYCH 210</u> <u>3</u></p> <p><i>Second Term</i> Hours</p> <p>Creative & Professional Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI] 3</p> <p>PSYCH 311 4</p>	8-16

Electives	7
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Hours</i>
Group I PSYCH Elective [†]	3
Group II PSYCH Elective [†]	3
<u>Focus Area PSYCH Elective¹</u>	<u>9</u>
PSYCH 312 [M]	4
Electives	<u>63</u>
<i>Second Term</i>	<i>Hours</i>
Group I PSYCH Elective [†]	3
Group II PSYCH Elective [†]	3
<u>Focus Area PSYCH Elective¹</u>	<u>6</u>
300-400-level Non-PSYCH Electives	10
Fourth Year	
<i>First Term</i>	<i>Hours</i>
Group I PSYCH Elective [†]	3
<u>Focus Area PSYCH Elective¹</u>	<u>6</u>
Integrative Capstone [CAPS]	3
PSYCH [M] Course ²	3
300-400-level Non-PSYCH Electives	74
<i>Second Term</i>	<i>Hours</i>
Non-PSYCH Electives	15
Complete Psychology Exit Interview and Survey	

Footnotes

¹ The PSYCH courses listed above under Groups I and II are recommended for that semester. Some are only offered in the fall or in the spring. Group I Fall: PSYCH 350, 372, 384, 401 [M], 470, 490, 491; and Group I Spring: PSYCH 350, 384, 401 [M], 470, 473 [M]. Group II Fall: PSYCH 321, 324, 333, 361, 363, 440 [M]; and Group II Spring: PSYCH 321, 324, 333, 361, 363, 412 [M], 440 [M], 464. Focus Area Electives: 21 credits required. Students must complete at least 2 courses from each of the following areas; 1) Neuroscience/Cognition: PSYCH 265, 372, 384, 473, 490, 491, 492; 2) Social/Motivational PSYCH 230, 306, 307, 308, 309, 321, 328, 350, 403, 466, 470; 3)Clinical/Counseling PSYCH 110, 320, 324, 333, 342, 361, 363, 440, 442, 444, 464, 468. Additional approved courses include PSYCH 301, 401, 412, 445, 480, 495, 496, 497, 498. Note that many courses require pre-requisites and not all courses are offered both Fall and Spring semester. Contact advisor for additional information.

² Writing in the Major Courses: PSYCH 312, 328, 401, 412, 440, 473.